

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
18 November 2004 (18.11.2004)

PCT

(10) International Publication Number
WO 2004/098383 A3

(51) International Patent Classification⁷:

A61B 18/18

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/US2004/013273

(22) International Filing Date: 29 April 2004 (29.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/467,027 1 May 2003 (01.05.2003) US

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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

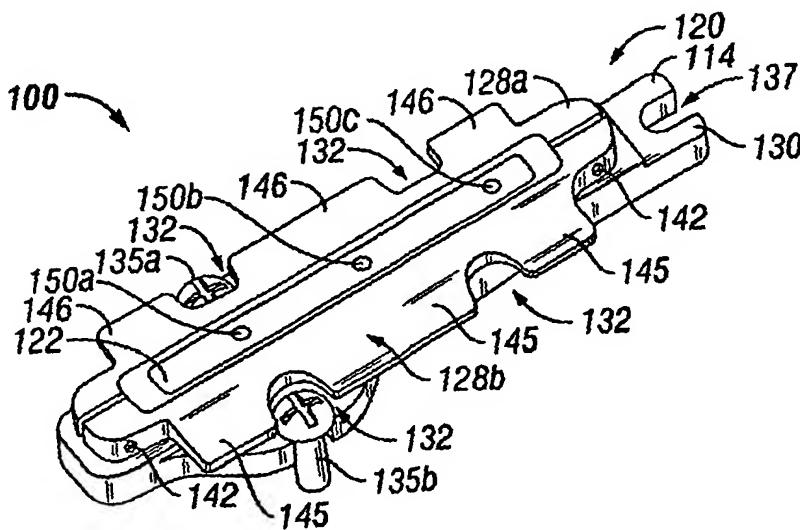
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 10 February 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTROSURGICAL INSTRUMENT WHICH REDUCES THERMAL DAMAGE TO ADJACENT TISSUE



(57) Abstract: An electrode sealing assembly (100) for use in combination with an electrosurgical instrument includes first and second jaw members (120). Each jaw members includes an insulative housing (114), a thermally conductive, electrically non-conductive material (128) and a sealing plate (122). The insulative housing (114) has a series of electromechanical interfaces (125a, 125b, 125c) which mate with a corresponding series of electromechanical interfaces which extend from the sealing plate (122) such that the sealing plates are capable of conducting bipolar energy through tissue held between the jaw members. The thermally conductive, electrically non-conductive material (128) is configured to encapsulate and secure the sealing plate (122) to the insulative housing (114).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/13273

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 18/18

US CL : 606/51

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 606/41, 45-52

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST: thermally, electrically, conductive, electrode

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, E	US 6,770,072 B1 (TRUCKAI et al) 03 August 2004 (03.08.2004), See whole document, col. 16, lines 5-25	1,2,9,10,13,14
Y, E		4,5,7
Y	US 6,398,779 B1 (BUYSSE et al) 04 June 2002 (04.06.2002), See col. 8, lines 45-51	4,5,7
A	US 2003/0069571 A1 (TREAT et al) 10 April 2003 (10.04.2003), See paragraph 85	1-14

Further documents are listed in the continuation of Box C.

See patent family annex.

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document member of the same patent family

Date of the actual completion of the international search

22 November 2004 (22.11.2004)

Date of mailing of the international search report

15 DEC 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US

Commissioner for Patents

P.O. Box 1450

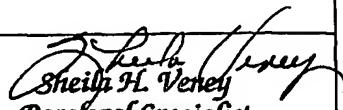
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